

it was wont to take that very impetuous motion, and half a degree before it arrived thereto, we took it out. Then looking constantly with a carefull eye upon the water in the Globe, which by reason of the transparency of the Chrystal was plainly seen to be yet altogether fluid and clear, the water, though now out of the Ice, did by the operation of the introduced cold, (after it had attained to its due point with a swiftness imperceptible to the Eye, the transparency within the Globular part being lost, and it self in an instant, as 'twere, deprived of its motion) totally congeliate. Which Experiment we tried over and over again, and found it alwayes succeed alike.

An Extract of a Letter of Monsieur Hevelius, concerning his Observations of the Moon's Eclipse, on Septemb. 29. st. n. 1670. and the Conjunction of Venus and the Moon, on the 11th of Octob. st. n. 1670; as also some remarks about the New Star near the Beak of the Swan, and that other in the Neck of the Whale: together with some other particulars of a Philos. nature. Here deliver'd in the same Tongue, in which it was written.

— **N**on potui Responsum tuum ad meas ultimas expectare; quin rursus ad Vos scriberem, deque recentioribus quibusdam Phœnomenis & Observationibus, hîc à me feliciter habitis, certiores redderem; imprimis cum videam, meas quales quales Animadversiones Cœlestes Illustrissimæ nostræ Societati Regiæ hætenus non omnino displicuisse.

Primò, die 29. Septembris st. nov. mane, Eclipsin Lunæ Cælo perquam sereno, ab initio usque ad finem, ex voto observavi. Initium ejus incidit hora 2. 22'; quanquam id ipsum vix omnino accuratè observari potuerit, ob Umbram Terræ dilutissimam: Siquidem, durante Eclipsi, tota Umbra adèd tenuis erat atque diluta, ut omnes præcipuas maculas per eam, meo viginti pedum Tubo, quin & brevioribus, optime conspici potuerim.

I i

Maxima

Maxima ejus Obscuratio incidit hor. 3. 50'. Finis verò h. 5. 21'. Tota itaque Duratio fuit hor. 2. 59' ; & Quantitas vix amplius 9 digitorum. Quibus verò Tabulis, Eclipseos hujus Observatio accuratius respondeat, Vos Judicabitis, Juxta Rudolphinas hæc Gedani incidit ;

<i>h.</i>	<i>hor.</i>
<i>Initium</i> 2.37'.5''.	<i>Secundum Riccioli Tab.</i> <i>Initium</i> 2.14'.47''.
<i>Max. Obsc.</i> 4. 2. 50.	<i>Max. Obscur.</i> 3.55.37.
<i>Finis</i> 5.28. 35.	<i>Finis</i> 5.36.27.
<i>Tota dur.</i> 2.51. 30.	<i>Tota duratio</i> 3.21.40.
<i>dig.</i>	
<i>Quantitas</i> 9. 4. 0.	<i>Quantitas digit.</i> 11.43. 0.

Circa Medium hujus Eclipsis hor. 3. 40'. Stellulam quandam incognitam, ac solo Tubo conspicuam, à Luna circa Lacum nigrum Majorem testam, clarissimè conplexi ; sed exire eam non deprehendi. Deinde, finitâ Eclipsi, jucundissimum quoque observatu erat, bina Luminaria simul supra Horizontem videre. Nam priusquam Luna occideret, Sol oriebatur. Cætera notatæ digna ex particulari hoc Typo deprehendetis:

Ordo

Ordo Pha- sinus	Phases Luna Te- lescopia Observata.	Altitudines	Tempora ex Al- titudinibus Cor- rect.	Animadvertenda.
		<i>Caudæ Cygni</i> 50°. 54. ^{hor.} 12. 8'. 34".		
		<i>Caudæ Cygni</i> 50. 25. 12. 11. 32.		
		<i>Pollucis II</i> 26. 39. 1. 28. 56.		
		<i>Pollucis II</i> 27. 16. 1. 33. 17.		
	<i>Penumb. init.</i>		2. 10. 0.	
	<i>Initium Eclip.</i>		2. 22. 0.	<i>Cæpit Eclips. in part. a sup. circa sm. hyperb.</i>
1	1 $\frac{1}{8}$ dig.		2. 31. 0.	<i>Umbra sinu Apollinem & M. Porphy. string.</i>
2	2 $\frac{1}{4}$		2. 36. 0.	<i>Lacus niger major regi incipiebat.</i>
3	3 $\frac{1}{4}$		2. 41. 40.	<i>Umbra ad Inf. Corsicam pervenerat.</i>
4	4 $\frac{1}{4}$ paulo plus		2. 45. 50.	
5	5 $\frac{1}{2}$		2. 49. 0.	<i>Pal. Maotis & M. Aetna plane reclus.</i>
6	6 dig. fere		2. 53. 0.	
7	7 $\frac{1}{4}$		2. 57. 0.	<i>Inf. B. sbic. & Inf. Macra testæ.</i>
8	8 dig.		3. 3. 0.	
9	9 $\frac{1}{4}$		3. 5. 0.	
10	10 $\frac{1}{2}$		3. 8. 30.	<i>Inf. Melos regi incipiebat.</i>
11	11 $\frac{1}{8}$		3. 11. 0.	
12	12 $\frac{1}{8}$		3. 16. 0.	<i>Inf. Rhodus testæ.</i>
13	13 $\frac{1}{8}$		3. 20. 0.	
14	14 $\frac{1}{4}$		3. 25. 30.	
15	15 $\frac{1}{2}$		3. 29. 0.	<i>Inf. major Caspii tegebatur.</i>
16	16 $\frac{3}{4}$		3. 33. 40.	
17	17 $\frac{3}{8}$		3. 37. 50.	
			3. 40. 0.	
18	18 dig.		3. 47. 0.	<i>Max. Obsc. per J. Leto. & M. Aber. se exten.</i>
19	19 paulo min.		3. 51. 10.	<i>Pal. Maraotis sub umbra sectione subsisteb.</i>
20	20 $\frac{1}{4}$		3. 57. 0.	
21	21 $\frac{1}{2}$		4. 1. 40.	
22	22 $\frac{1}{4}$ fere		4. 6. 0.	
		<i>Polluc. II 49°. 50'.</i>	4. 10. 28.	
23	23 8 paul. plus		4. 11. 0.	<i>Inf. Melos & Rhodus umbræ exiverant.</i>
24	24 $\frac{3}{4}$		4. 17. 20.	
25	25 $\frac{1}{8}$		4. 22. 25.	<i>M. Porphyries illustrari incipiebat.</i>
26	26 $\frac{3}{4}$		4. 27. 35.	<i>Umbra M. Aetnam jam reliquerat.</i>
27	27 $\frac{1}{4}$ fere		4. 33. 40.	
28	28 $\frac{1}{4}$		4. 37. 37.	
29	29 $\frac{1}{4}$		4. 44. 46.	
30	30 4 dg.		4. 50. 56.	<i>M. Argentar. & Inf. Besbic. illustrabantur</i>
31	31 $\frac{3}{8}$		4. 54. 0.	
32	32 $\frac{1}{4}$		4. 57. 0.	
33	33 $\frac{1}{4}$ fere		5. 1. 23.	<i>Umbra totam fere I. Caspiam maj. transierat.</i>
34	34 $\frac{1}{8}$		5. 4. 45.	
35	35 $\frac{1}{4}$ dig.	<i>Cordis O 25°. 4'8.</i>	5. 7. 42.	
			5. 10. 50.	
	<i>Finis Eclip.</i>		5. 21. 25.	<i>Fines circa Riphai montes contigia.</i>
	<i>Penumb. finis</i>		5. 24. 0.	
		<i>Sirii 18°. 54'.</i>	5. 28. 32.	

Secundo; die 11 Octob. st. n. incidit mane, post Solis ortum, horâ circiter octavâ, hîc Gedani, *Conjunctio Veneris & Lunæ*, quam *Calculus Rudolphinus* pariter eodem fere tempore indigitavit; quo videl. Luna parte suâ inferiori Venerem occultare ad 23" minimum debebat. Ad quod rarissimum spectaculum observandum me Tubo 20. pedes longo accinxeram. Atque quamvis Aer non omnino esset desæcatus, nubesque rariuscule hinc inde obvolitarent, Sole pariter jam orto, nihilominus & Luna & Venerem clarissimè conspeximus, ad horam usque decimam; imò diutius potuissimus, si fuisset opus: Sed à Luna, ut ut Tabulæ dictæ Occultationem illam penitus confirmabant, Venus tamen nequaquam tecta fuit, sed aberat hæc, circa veram scil. *Conjunctionem*, à Limbo Lunæ inferiori ad 4, vel, minimum, 3. minuta; sic ut nulla eo tempore Occultatio, sed tantum arcus *Transitus* extitit. Volupe profecto erat jucundissimum illud spectaculum, de die, Soleque splendente, adeò distinctè ac dilucidè contemplari. Luna namque erat tenuissima, ad *Conjunctionem* propendens, valdeque Corniculata: At Venus prope modum plena, & corpore valde diminuto. Si non adco vaporosus fuisset Aer, frequentius accuratiusque distantias Veneris & Lunæ à Jove, aliisque quibusdam Fixis cepissem; ut jam non nisi eas, quas mitto, observare licuerit. Horâ 7. 40'. eo ipso die tres Parelîi apparuerunt. Quid Vos hisce de rebus deprehendistis primâ occasione exspecto.

Transitus

(2027)

Transitus Lunæ Supra Venerem, Ao. 1670.

die 11 Octob. st. n. Observatus.

G E D A N I

A

Johanno Hevelio.

<i>Just. hor. amb. mane.</i>			<i>Diffantia & Altitudines.</i>	<i>Tempus ex al- titud. Correc.</i>
<i>Hor. ' . "</i>			<i>o. ' . "</i>	<i>Hor. ' . "</i>
3 47 20	<i>Altitudo Lucide ♀</i>		41. 45. 0	3. 54. 10
3 50 35	<i>Eadem altitudo</i>		41. 21 0	3. 57. 28
5 47 44	<i>Diffantia ♀ in ♀.</i>			5. 54. 44
5 48 35	<i>Dist. ♀ limb. orient. à ♀</i>		35. 25. 30	5. 55. 35
5 51 59	<i>Dist. ♀ à ♀.</i>		35. 50. 0	5. 59. 0
5 53 40	<i>Dist. ♀ limb. orient. à ♀.</i>		35. 29. 10	6. 0. 40
6 12 30	<i>Dist. ♀ à ♀.</i>		35. 50. 20	6. 6. 0
6 14 3	<i>Dist. ♀ limb. orient. à ♀.</i>		35. 37. 35	6. 8. 0
6 37 0	<i>Distit. ♀ à ♀, quantum nu- do oculo dijudicari potuit.</i>		6. 0	6. 51. 0
7 12 0	<i>Dist. ♀ à ♀ limbo infer.</i>		5. 0	7. 7. 0
7 17 0	<i>Distit. ♀ à ♀, limb infer.</i>		4. 0	7. 12. 0
7 35 0	<i>Venus clarè apparuit, sed Luna non ampl. ob nubec.</i>			7. 30. 0
7 45 0	<i>Venus ; simul tres Parelîi apparuerunt.</i>			7. 40.
9 11 0	<i>Venus permansit conspicua.</i>			9. 12. 0
9 15 48	<i>Altitudo Solis.</i>		19. 48. 0	9. 17. 20
9 17 39	<i>Altitudo Solis.</i>		19. 58. 0	9. 19. 4
<i>Tertio,</i>				

Tertio, *Nova illa Stella sub Capite Cygni, quæ initio Tertiæ videbatur Magnitudinis, mirum in modum Adense Septembri decrevit, adeò ut 14. Octobris nullâ ratione amplius Sextante observari à me potuerit; licet omnem adhibuerim diligentiam. Nam vix ac ne vix quidem nudo oculo animadverti potuit; adeò ut ab hac die illam amplius non viderim, ut ut singulis diebus Cælo serenissimo omnes oculorum nervos ad eam intenderim. Altera verò Nova in Collo Ceti ad medium usque mensis Octobris, Mandibula Ceti aqualis ferè extitit magnitudine, & claritate eam propemodum superavit; adeò ut hoc Anno Secundæ fuerit magnitudinis, ac major quàm præcedentibus annis, excepto Anno 1660, quo major etiam Mandibulâ Ceti à me fuit deprehensa. Aliis temporibus non memini eam Tertiæ Magnitudinis Stellas superasse. Certum igitur est, ipsam non eandem semper præse ferre Magnitudinem nec claritatem, ut ut in maximo suo existat incremento: hesternâ verò die multum decreverat.*

Quod restat, Lentem illam Domini Burattini pro Tubo 70. pedum elaboratam necdum explorare licuit. Idem promissit aliam multò longiorem, pedum scil. 140; quam ubi accepero, illarum vires simul explorabo, Vosque deinde de omnibus & singulis certiores reddam.

Succinum, quod sigillo cedit (de quo ante hac) inter omnium rarissima quæ apud nos reperiuntur, meritiò habetur; quippe dum vixi, si bina illa frustra, quæ penes me habeo, excipias, ne unquam quidem vel minimum frustulum vidi, ut ut tale à multis annis sollicitè quæstiverim. Interim ut Illustrissimæ Societati promptitudinem meam declarem, illi ex binis illis frustulis, quæ penes me sunt, alterum proximo vere navi quadam transmittam; terrâ quippe id fieri nequit si faciem, figuram, atque insignia impressa omnino retinere debeat. An unquam frustulum, altera parte molle, alterâ durissimum possim impetrare, valde dubito.

In Machina mea Cælesti alacriter & constanter, quantum occupationes aliæ unquam permittunt pergo. Valete & porro favete vestro Consodali, Illustrissimæ Societati R. devin&issimo Joh. Hevelio. Dabam Dantisci 1670. D. 31. Octobris.

(2029)

Lunæ ad Fixas Saturnumque,

Anno 1671.

Appulsus observabiles, prædicti, & ad Meridianum Latitudinemque *Londini* accurate supputati à *Job. Flamsteadio* *Derbieni-Anglo*.

1. *A* Nno 1671. Januarii 4^o, Luna appellit ad stellam in altero flexu Australi aquæ Aquarii, Magn. 5. cujus long. $\times 12^{\circ}. 18'$, Lat. $2^{\circ}. 49'$. *Austr.*

Londini, hujus occultationis,

	<i>h.</i>	<i>'</i>	<i>"</i>	
Initium	6.	57.	10	} Lat * à centro } Ingr. 15.05 } <i>Aust.</i> } Luna in } Emerf. 16.51 }
Finis	7.	14.	22	
Mora	0.	17.	12	

2. Febr. 13. post mediam noctem sequentem celebratur appulsus Lunæ ad stellam honoris 4. quæ vocatur Borealis trium sub ventre m ; cujus Long. $\text{m} 9^{\circ}. 53'. 5''$. Lat. $1^{\circ}. 20'. 30''$. *Austr.*

Londini, stelle dictæ,

	<i>h.</i>	<i>'</i>	<i>"</i>	
Immers.	14.	24.	45	} Lat * à centro } Immers. 71.05 } <i>Aust.</i> } Luna in } Emerf. 1.20 }
Emerf.	15.	30.	54	
Mora sub D° .	1.	06.	09	

3. Mart.

(2030)

h.

3. Mart. 4, 8: 46'. *p. m. secundum Wingi Ephemerides Luna congregitur cum Media trium in cauda Arietis, cujus eo tempore long. ϖ 17°. 19', 8". Lat. Sept. 2°. 50".*

Londini,

h.

<i>Subingr.</i>	10. 14'. 52".	} Lat. Stellæ à	} Immerf. 16'. 07".		
<i>Detectio</i> *æ	10. 31. 13.			} centro Dæ in	} Emerf. 15. 39.
<i>Mora sub</i> ^D a.	0. 16. 21.				

4. April. 12. alterâ horâ post occasum Solis Luna appellit ad Spicam Virginis, 1æ Magnit.

<i>Londini.</i>	<i>Derbie.</i>	} Lat. * à	} centro	} Dæ in	} Immerf.	} Emerf.	} Lond.	} Derb.
<i>h.</i>	<i>h.</i>							
<i>Subingr.</i> 9.05'.53"	9.01'.00"	}	}	}	}	}	}	}
<i>Emerf.</i> 10.20.35	10.13.45							
<i>Mora</i> 1.14.41	1.12.39							

5. Maii 6. Luna, post occasum Solis, Borealem trium sub ventre ϖ (magn. 4te) cooperiet : Cujus Long. ϖ 9°. 53'. Latit. 1°. 20'. *Bor.*

Londini Stelle,

h.

<i>Subingr.</i>	9. 09'. 37"	} Lat. à centro Dæ in	} Subingr. 1'. 54".	} Bor.	
<i>Emerf.</i>	10. 14. 56				} Emerf. 8. 10.
<i>Mora.</i>	1. 5. 19				

6. Maii 21. Saturno Cynthia jungitur post mediam noctem sequentem.

Londini centri Saturni

In

(2031)

h.

Ingressus 14. 29. 17". } *Lat. h à centro* { *Immers.* 8. 52". }
Emergio 15. 31. 23. } *in* { *Emers.* 4. 27. } *Bor.*
Adora sub 0. 1. 02. 06.

h.

7. Julii 17. 13. 8". *Luna, Authore Wingo, cum Stella, sti hono-*
ris dicta, in Lino Boreo xum à Connexu præcedens : ejus tunc
temporis locus γ 23°. 7'. 26". *lat.* 1°. 38 $\frac{1}{2}$ *Bor.*

Londini stellæ cum Luna

h.

Congressio 12. 8. 32. } *Lat. à centro* 0° { *Immers.* 14. 50".
Sejunctio 12. 52. 21. } *ad Boream in* { *Emers.* 12. 10.
Mora sub ea 0. 43. 49.

h.

8. Septemb. 9. 10. 54'. *Luna juxta Ephemerides cum stella*
Lucis Atæ in Lino Australi xum lucidiorum trium media, cujus
long. γ 12°. 53'. *lat.* 1°. 5 $\frac{1}{2}$. *Bor.*

Londini Occultationis

h.

Initium 10. 23'. 48". } *Stellæ à centro* 0°. { *Immers.* 15'. 20".
Finis 10. 59. 33. } *Lat. ad Bor. in* { *Emers.* 11. 11.
Duratio 0. 35. 45.

9. Octob. 9. *post mediam noctem sequentem, Luna ad Pleiadas*
appellit. quarum loca ad instans tempus proveniunt.

	<i>long.</i>	<i>lat.</i>	<i>"</i>	<i>magn.</i>
<i>Occidentalis lucidior</i>	24°. 41'. 48".	4°. 9'. 40.		5.
<i>Occidentalis Borealior</i>	24. 52. 07.	4. 31. 36.		6.
<i>Infima occidentali proxima</i>	24. 58. 37.	3. 53. 30.		6.
<i>Sequens Borealior</i>	24. 59. 07.	4. 23. 56.		6.
<i>Media & lucida</i>	25. 19. 37.	4. 00. 00.		3.
<i>Quæ est in cuspide ad ortum</i>	25. 45. 07.	3. 51. 20.		5.
<i>Orientalium superior</i>	25. 46. 07.	3. 54. 00.		7.
	K k			<i>Occidentalis</i>

(2032)

Occidentalis lucidioris inter Pleiades

<i>b.</i>			
<i>Immers.</i>	16.15'.13".	} Lat. à centro <i>De</i> ad <i>Bor.in</i>	{ <i>Ingressu</i> 1'. 22". <i>Egressu</i> 2. 15.
<i>Emerf.</i>	17.21.20.		
<i>Mora.</i>	1.06.07.		

Mediam & Lucidam Pleiadum Luna nobis..

<i>b.</i>			
<i>Subducit</i>	17.33'.07".	} Lat. lucida à cen- tro <i>De</i> ad <i>Austr.in</i>	{ <i>Ingr.</i> 7'.16". <i>Emerf.</i> 6.37.
<i>Retegit</i>	18.29.23		
<i>Detinet</i>	0.56.16		

Infimam occidentali proximam Luna

<i>b.</i>			
<i>Attingit</i>	17. 4'. 36".	} Lat.* à <i>De</i> ad <i>Austr.in</i>	{ <i>Ingressu</i> 14'. 07". <i>Emerf.</i> 13. 40.
<i>Detegit</i>	17. 40. 34.		
<i>Retinet</i>	0. 35. 48.		

Succedit autem quæque Phasis alteri hoc ordine :
Octobris 10mo mane.

<i>Phas.</i>	<i>h.</i>	
1	4.15.13.	<i>Luna Occidentalem lucidiorem attingit.</i>
2	5.04.36.	<i>infimam occidentali proximam obsidet.</i>
3	5.21.20.	<i>occidentalis lucidior emergit.</i>
4	5.33.07.	<i>media & lucida luce nobis capta est.</i>
5	5.40.34.	<i>infima occidentali proxima evadit.</i>
6	6.29.23.	<i>media & lucida Pleiadum remittitur.</i>

10 Novemb.3.ineunte nocte Luna iterum Mediam in Lino Au-
strali,*um aggreditur,cujus tunc temporis locus verus γ 12°. 53'.
40".cum Lat.1°.05'.03". *Eor.*

Londina

(2033)

Loudini Luna stellam

	<i>h.</i>				
<i>Subripict</i>	7.	47.	07.	} <i>Lat.* à centro</i>	} <i>Ingr.</i>
<i>Remittit</i>	8.	52.	45.		
<i>Retinet</i>	1.	05.	38.		
				<i>Da ad Bor.in</i>	<i>Emerf.</i>
					8. 13.
					0. 19.

h.
11. Decemb. 3. 14. 30; *juxta Ephemeridas, Luna Pleiades af-*
sequitur.

Pleiadum occidentalis Lucidior à Luna

	<i>h.</i>				
<i>Capta est</i>	14.	16.	46.	} <i>Lat.* à centro</i>	} <i>Ingr.</i>
<i>Remissa</i>	15.	11.	34.		
<i>Retenta</i>	0.	54.	48.		
				<i>Da ad Bor.in</i>	<i>Emerf.</i>
					1. 46.
					2. 15.

Media & Lucida Pleiadum

	<i>h.</i>				
<i>Subingressus</i>	15.	21.	38.	} <i>Lat.* à centro Da</i>	} <i>Ingr.</i>
<i>Retectio</i>	16.	16.	18.		
<i>Mora sub Da</i>	0.	54.	40.		
				<i>ad Austr.in</i>	<i>Emerf.</i>
					3. 02.
					0. 55.

Infima occidentali proxime

	<i>h.</i>				
<i>Subtectio</i>	14.	50.	06.	} <i>Lat. à centro</i>	} <i>Ingress.</i>
<i>Emerfio</i>	15.	36.	06.		
<i>Mora</i>	0.	46.	00.		
				<i>Da ad Austr.in</i>	<i>Exitu</i>
					10. 34.
					9. 04.

Ultima, quæ in cuspide est ad ortum,

	<i>h.</i>				
<i>Immersio</i>	16.	09.	19.	} <i>Lat.* à centro</i>	} <i>Ingress.</i>
<i>Emerfio</i>	16.	53.	09.		
<i>Mora sub Da</i>	0.	43.	50.		
				<i>Da ad Austr.in</i>	<i>Exitu</i>
					9. 56.
					7. 55.

(2034)

Cæterum hujus phænomeni tali ordine succedunt Phases :

<i>Phas.</i>	<i>h. . .</i>	
1	14.16.46.	<i>Occidentalis lucidior subripitur.</i>
2	14.50.06.	<i>infima occidentali proxima obtegitur.</i>
3	15.11.34.	<i>occidentalis lucidior emergit.</i>
4	15.21.38.	<i>media & lucida obscuratur.</i>
5	15.36.06.	<i>infima prodit occidentali proxima.</i>
6	16.09.19.	<i>quæ in cuspide ad ortum occupatur.</i>
7	16.16.18.	<i>media & lucida se à Luna exerit.</i>
8	16.53.09.	<i>quæ in cuspide ad ortum evadit.</i>

All those that desire the Advancement of *Astronomy*, and have conveniency of making Observations, are herewith solicited to apply themselves with all diligence and exactness to observe these recited Appearances.

Atcompt of three Books.

I. *ORIGO FORMARUM & QUALITATUM; juxta Philosophiam Corpuscularem Considerationibus & Experimentis Illustrata*, à Roberto Boyle Nobili Anglo, è Societ. Regia. Oxon, 1669. in 12°.

HAVING formerly, (Numb. 11.) given the Contents of this Instructive Treatise, we again take notice of it here, only to let Forreigners know, that the same is now Printed in the *Latin* Tongue, after it had been publick in the *English* since *April*, of the year 1666.

II. *METALLOGRAPHIA, or an History of Metals*; by John Webster, *Practitioner in Physick and Chirurgery*. London, for Walter Kettilby in *Pauls Church-Yard*. 1670. in 4°.

THE Author of this History hath with much diligence and curiosity deliver'd therein (to speak of it in general,) the